ABSTRACT OF THE DISCLOSURE

A system and method for analyzing noise includes an error information storage unit storing threshold values of malfunction factors that create a malfunction of a victim receiver cell due to a noise, an error criterion generation section which selects the threshold values from the error information storage unit, and generates an error criterion according to the victim receiver cell by plotting the threshold values and conducting the threshold values smooth processing on, a noise analysis section configured to measure the malfunction factors, and a comparison section configured to compare the measured malfunction factors to the error criterion, and to judge whether the noise will create a malfunction of the victim receiver cell when the malfunction factors meet the error criterion.